Figure 1: n = 1-3; X_7 = H, OH; Y_7 = H, SO_3^-, CO_2H, CH_2CO_2H, CH_2OH
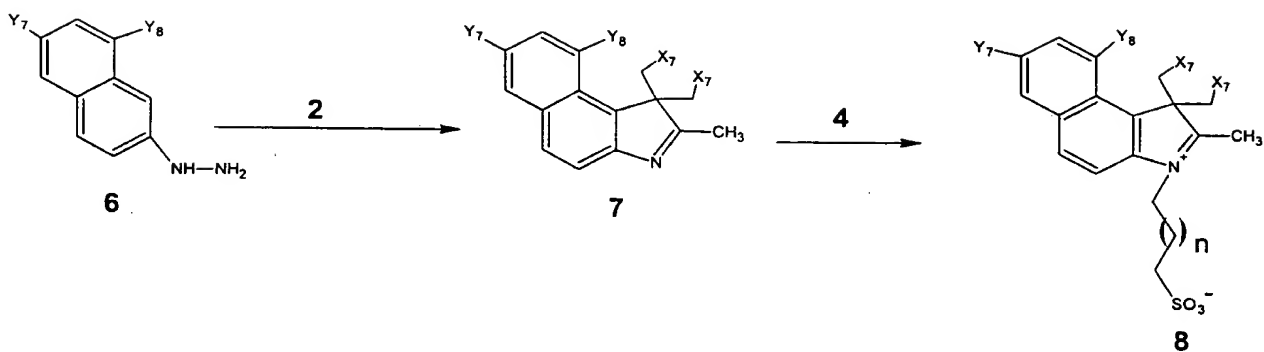

Figure 2: n = 1-3; X_7 = H, OH; Y_7, Y_8 = H, SO_3^-, CO_2H, CH_2CO_2H, CH_2OH
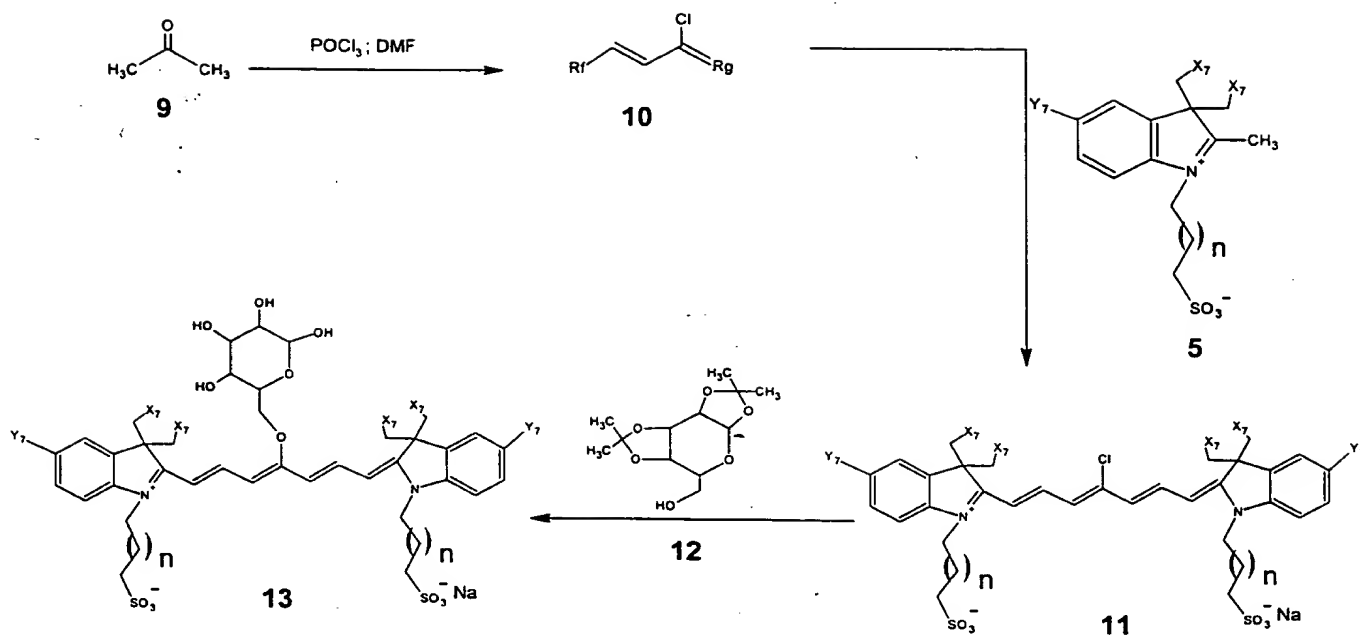
Figure 3: n = 1-3; X_7 = H, OH; Y_7 = H, SO_3^-, CO_2H, CH_2CO_2H, CH_2OH; R_f = $(CH_3)_2N$ or OH; R_g = $(CH_3)_2N^+$ or CHO
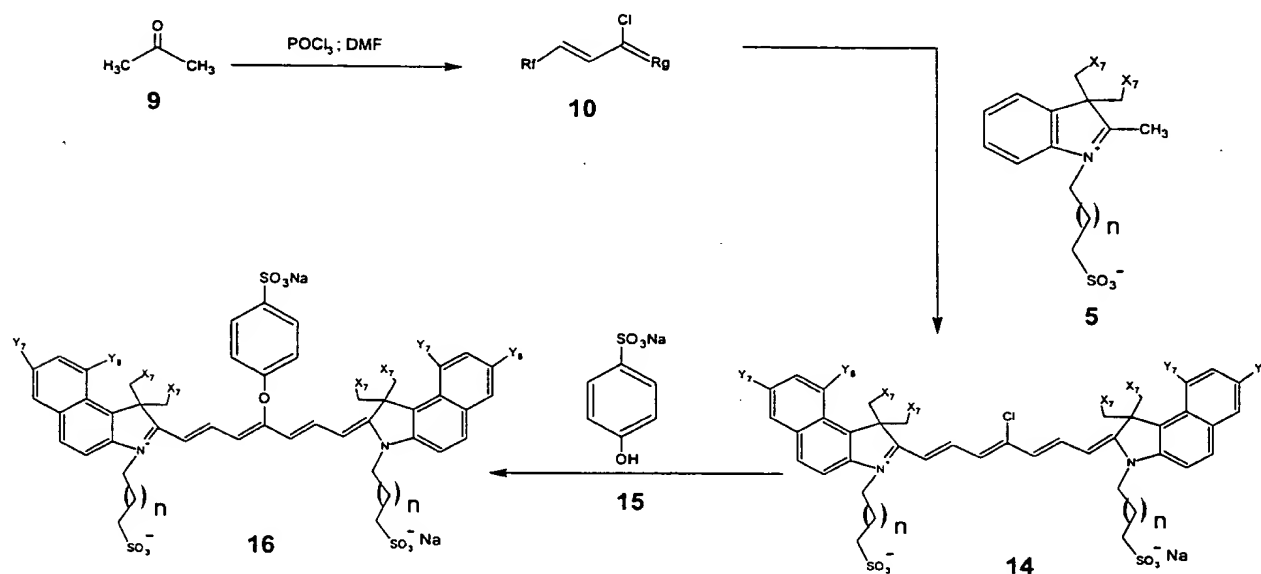
Figure 4: n = 1-3; X_7 = H, OH; Y_7 = H, SO_3^-, CO_2H, CH_2CO_2H, CH_2OH; R_f = $(CH_3)_2N$ or OH; R_g = $(CH_3)_2N^+$ or CHO
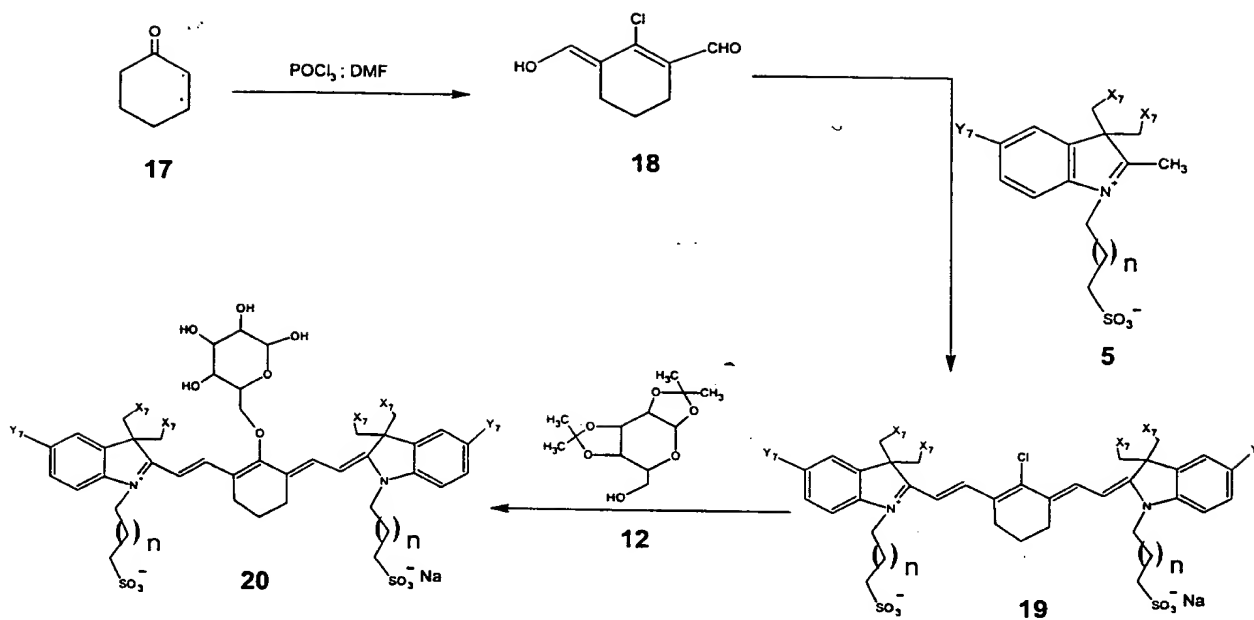
Figure 5: n = 1-3; X_7 = H, OH; Y_7 = H, SO_3^-, CO_2H, CH_2CO_2H, CH_2OH
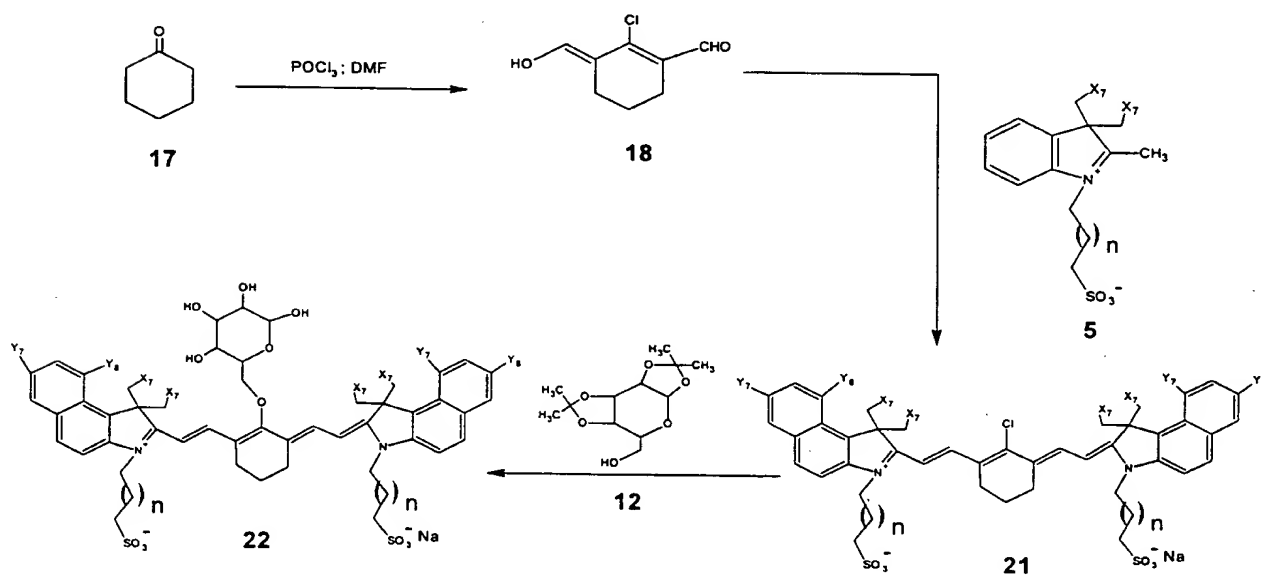
Figure 6: n = 1-3; X_7 = H, OH; Y_7, Y_8 = H, SO_3^-, CO_2H, CH_2CO_2H, CH_2OH
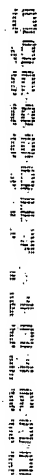
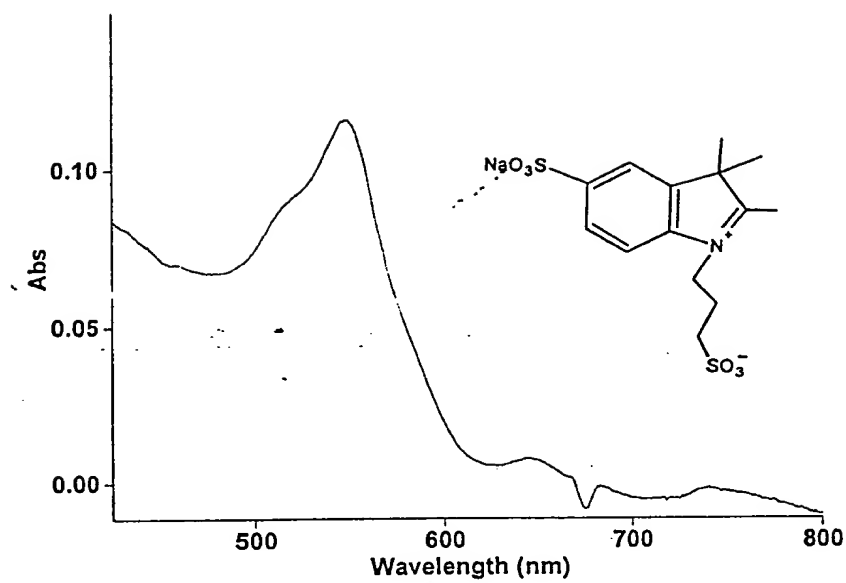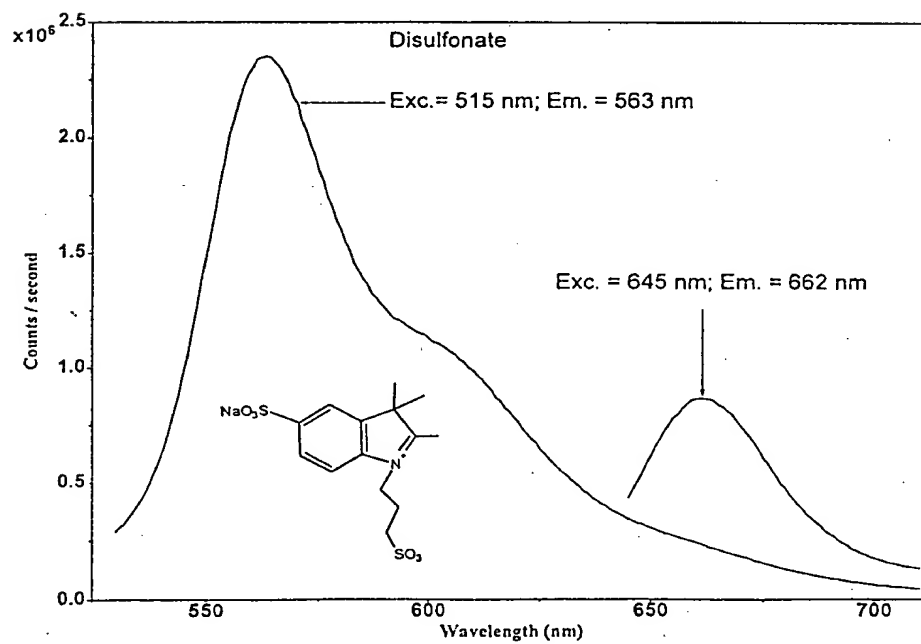Figure 7: n = 1-3; X_7 = H, OH; Y_7, Y_8 = H, SO_3^-, CO_2H, CH_2CO_2H, CH_2OH
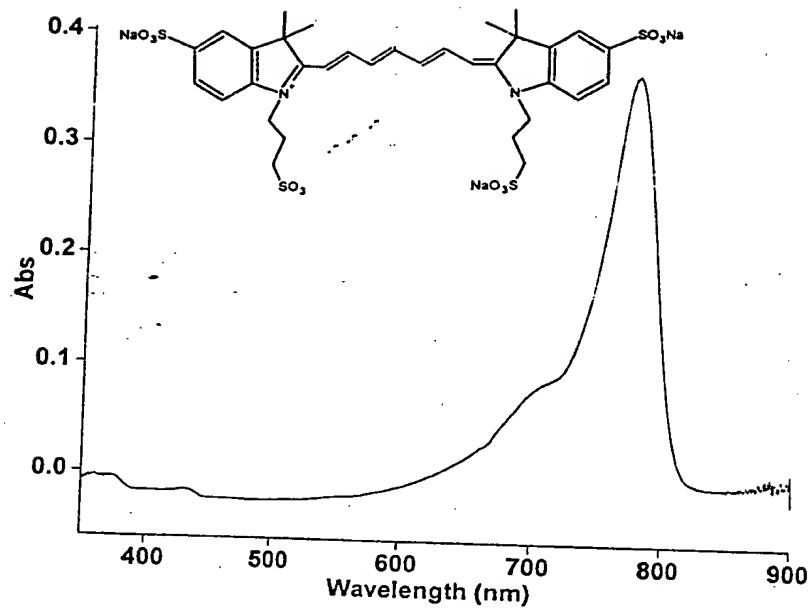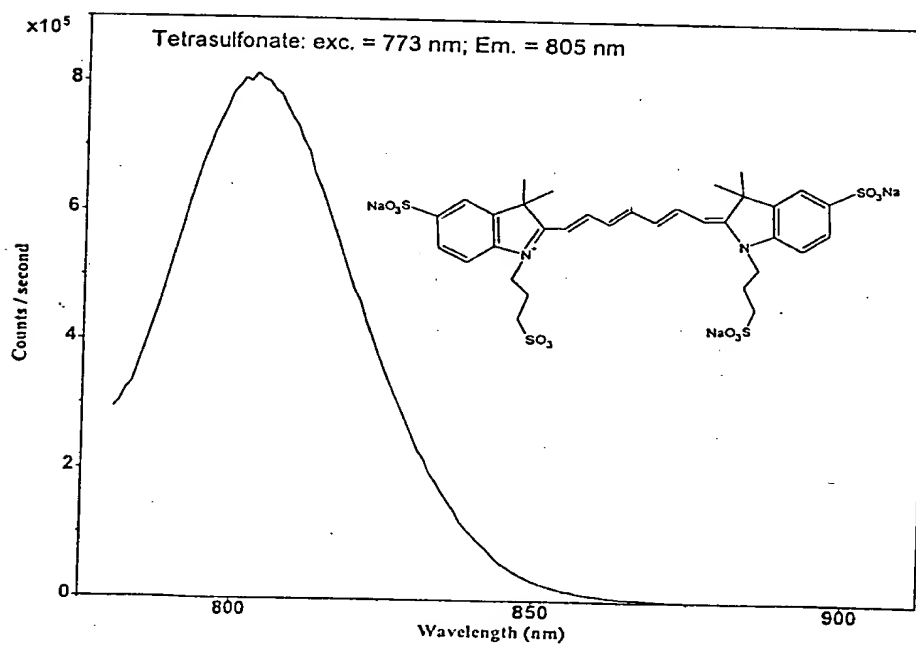
Figure 8a
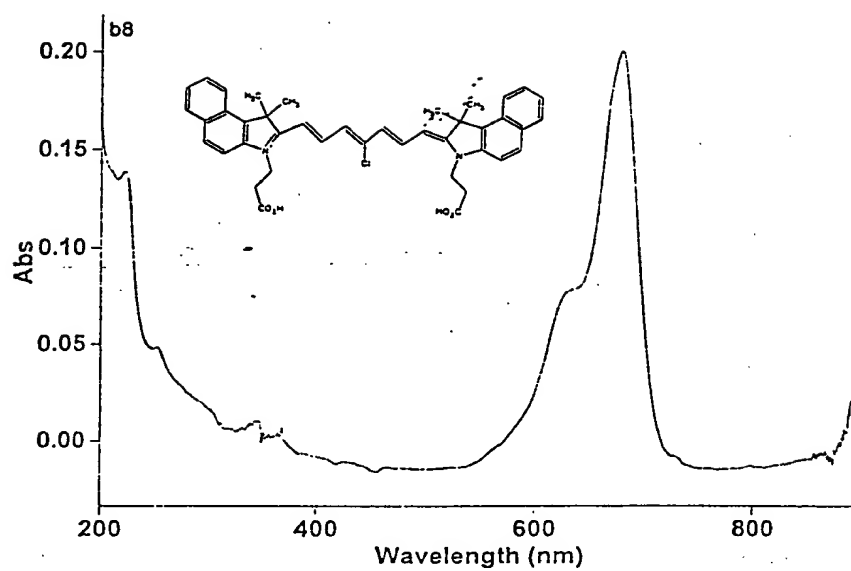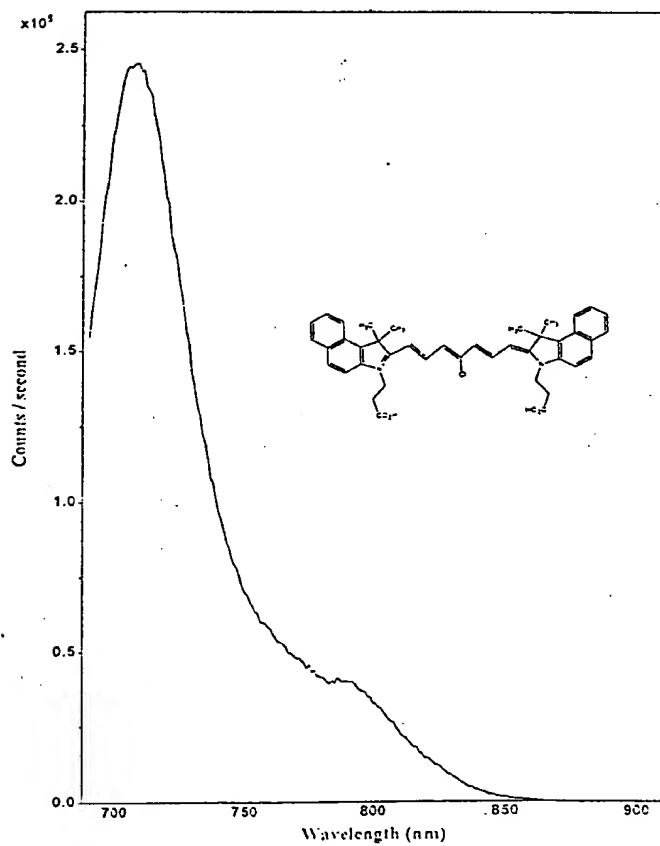

Figure 8b

Figure 9a

Figure 9b

Figure 10a

Figure 10b

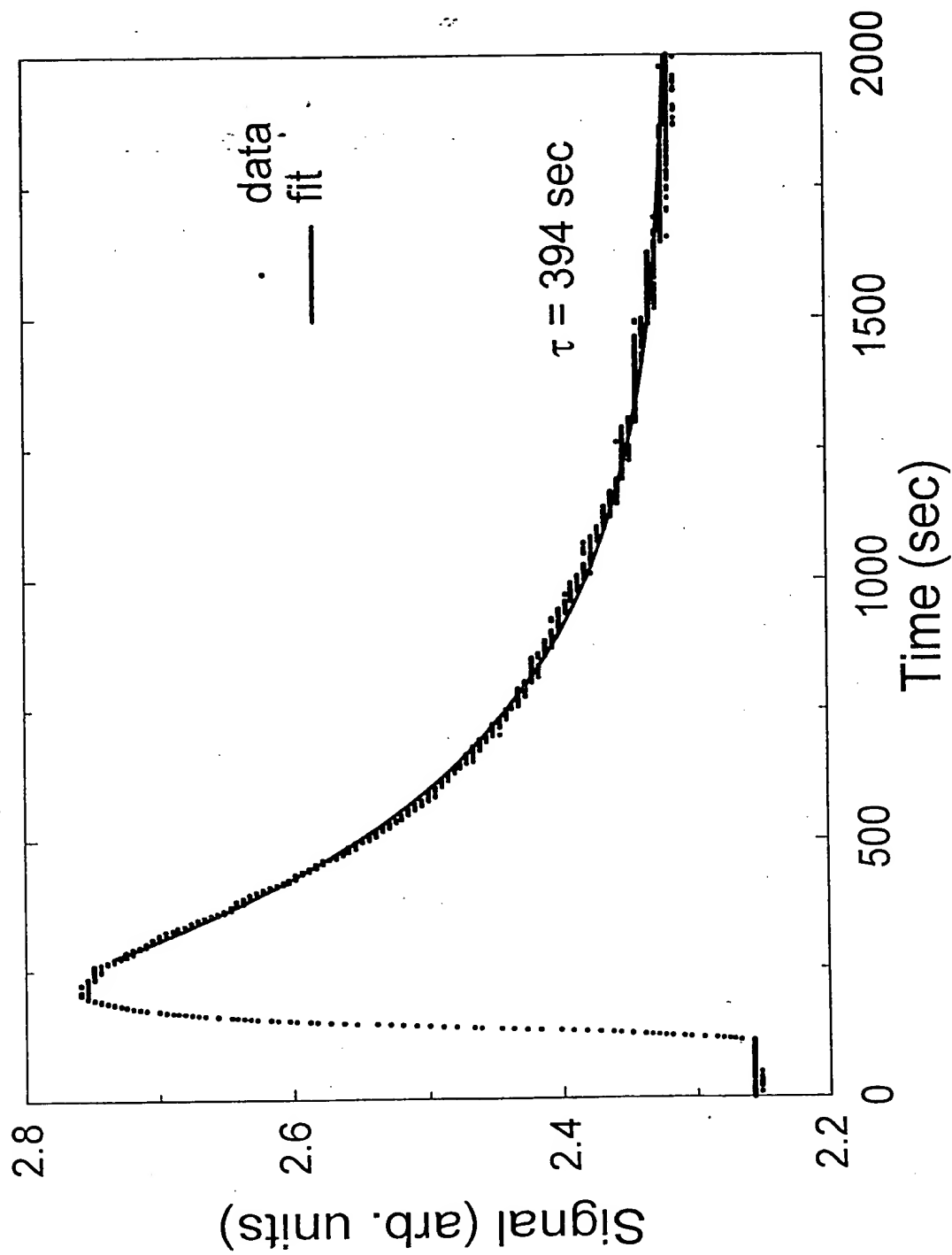Blood clearance of hydrophilic polyaspartic acid-cyanine dye

Figure 11

Blood clearance profile of cyanine dye-polyaspartic acid (30 kDa)

τ = 260 sec
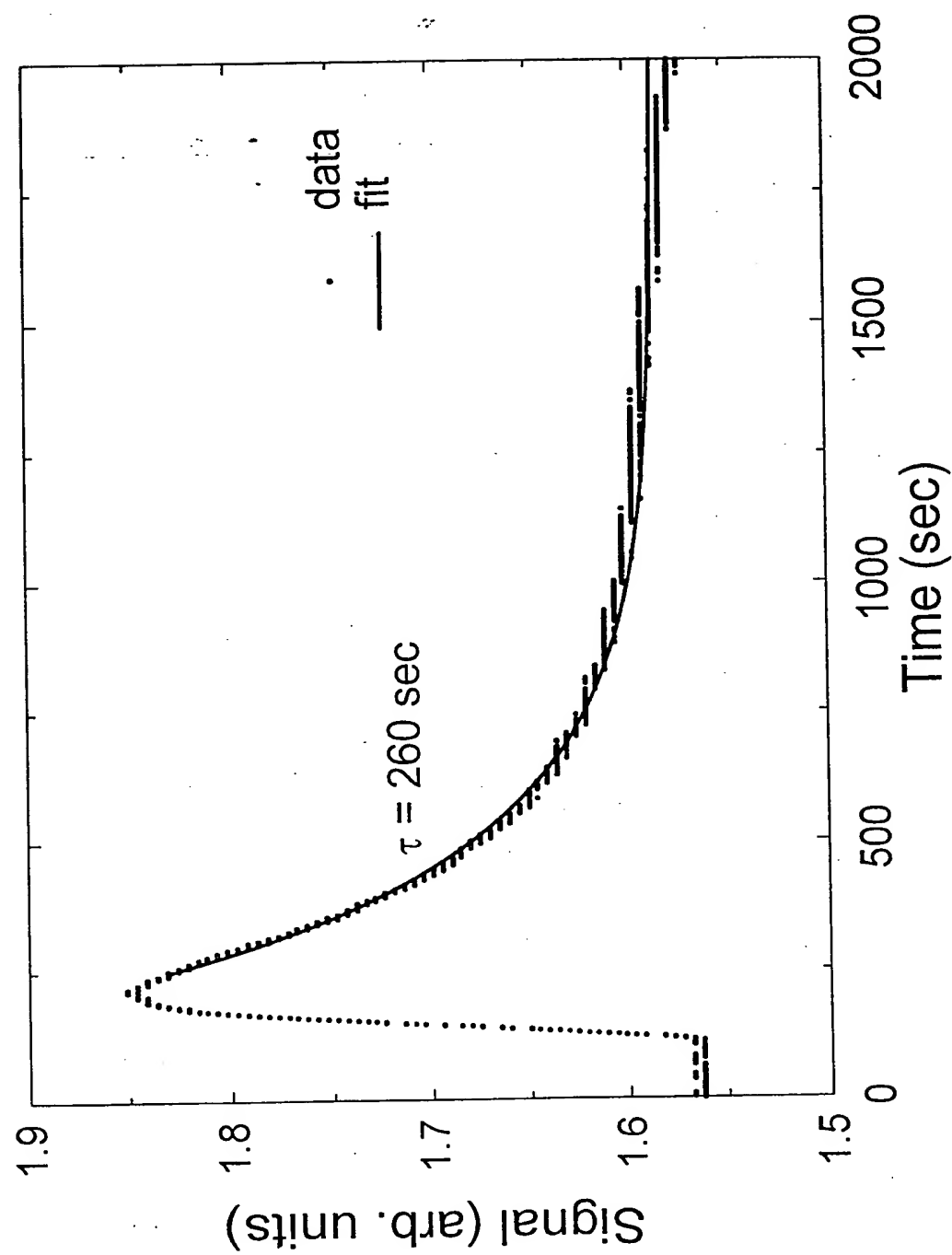
data ·
fit ———

Signal (arb. units)

Time (sec)

Figure 12

Blood clearance profile of indole disulfonate

Figure 13

Blood clearance profile of cyaninetetrasulfonates

Figure 14